

Target: Classify heat transfer as conduction, convection or radiation. (knowledge)

### Energy Worksheet 2: Conduction, Convection and Radiation

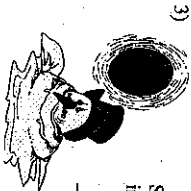
In each of the following examples, identify whether heat is being transferred through conduction, convection or radiation. Some may have two possible answers. Choose the answer that best fits the situation.



Warming hand over a radiator.



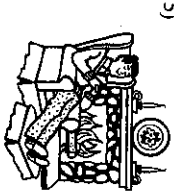
Eggs cooking in a frying pan.



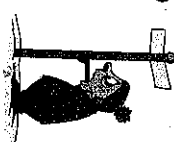
Snowman melting in the sun.



Water boiling in a kettle.



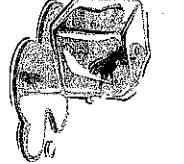
Warmth from the fireplace circulating through the house.



Tongue freezing to a metal pole.



Newt boiling in a hot cauldron.



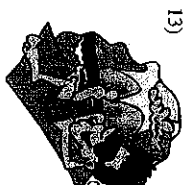
Ice melting on a hotplate.



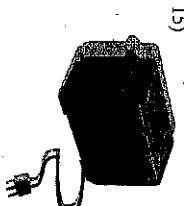
Freezing outside on a cold day.



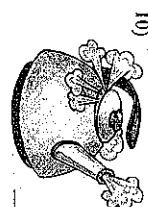
Burning your hand on a hot pan



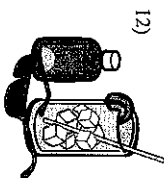
Laying out in the sun.



Making toast in a toaster.



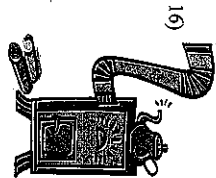
Steam piping out of a teapot.



Ice cubes keeping lemonade cold.



Roasting marshmallows over a fire.



Heating a kettle on a hot furnace.